Apple™
Interactive
Multimedia
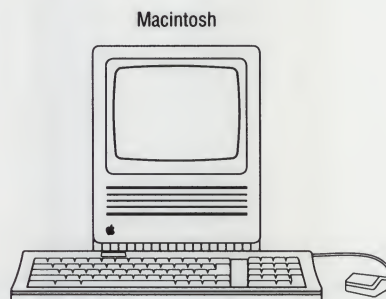# Configurations

Choose What's Best For You

A World of Possibilities

The five equipment configurations shown in this leaflet, illustrate the basic hardware required to develop and deliver different multimedia applications. This modular approach makes it easy to identify which components you need for your applications and because the Apple Macintosh is compatible and consistent throughout its range, you can be assured that whatever you start with, you will be able to add additional components in the future.

The pieces of equipment in the tinted areas of the illustrations are usually only required during development of a multimedia application and are not needed to use the application.

Interactive Multimedia on the Apple™ Macintosh™

Macintosh

Any member of the Apple Macintosh family of computers can be used to develop and deliver many types multimedia applications. The 'compact' family (Macintosh Plus, SE and SE/30) can show black and white graphics and animations, while the 'modular' family (Macintosh IIx, IIcx and IIci) can show colour. All Apple Macintosh computers have built in speakers to play digitised sound and come with HyperCard™ software, a multimedia construction kit which can be used to create and control multimedia applications incorporating Apple Macintosh generated text, graphics, images, animations and sound. Graphics and sounds can be created from scratch or built from the many 'clip art' and 'clip sound' libraries available.
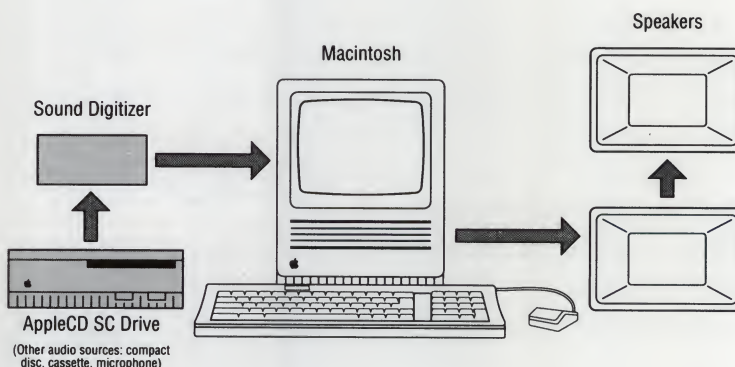
Interactive Sound on the Apple Macintosh

Speakers

Macintosh

Sound Digitizer

AppleCD SC Drive
(Other audio sources: compact disc, cassette, microphone)

With the addition of the AppleCD SC™ CD-ROM drive and a sound digitiser, you can create multimedia applications that incorporate high-quality digitised sound effects, voice recordings and music.You can compose original material, or modify existing sound recordings. Using a digitiser, sound may be sourced from traditional audio devices such as cassettes or records, or recorded using a microphone. In addition, music can be composed on instruments connected to the Apple Macintosh though its optional midi interface.

The AppleCD SC drive can be used to access the many CD-ROMs available ranging from reference works to clip animation libraries. In addition the CD SC drive can also play traditional audio compact discs such as Beethoven's Ninth Symphony or Learning Italian. HyperCard and other authoring systems can be used to control and access the disc at any point, making the combination ideal for music and language learning, among other applications.

Any Apple Macintosh can serve as the basis for interactive sound, however keep in mind that working with sound may require more than 1 megabyte of RAM.
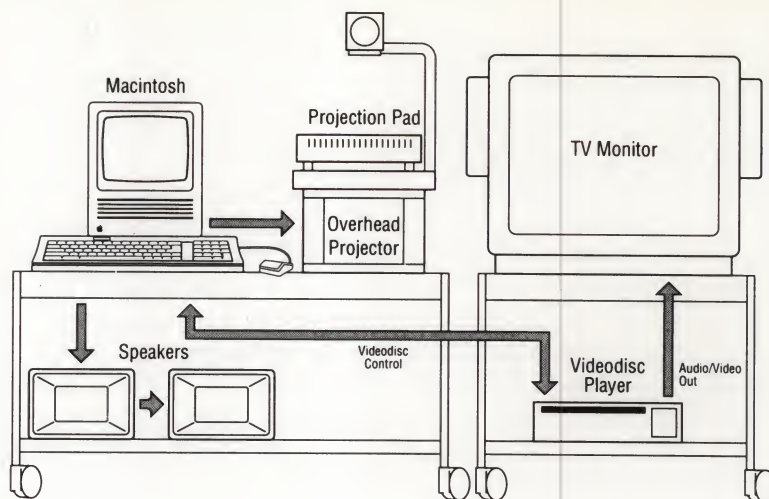
Interactive Presentations on the Apple Macintosh

In order to present multimedia applications to an audience, you need to project the Apple Macintosh screen and the video monitor screen, if used.

A LCD projection pad can be connected to your Apple Macintosh via a video interface which is installed in the computer. The projection pad is then placed on a regular overhead projector and an enlarged image of the screen is displayed.

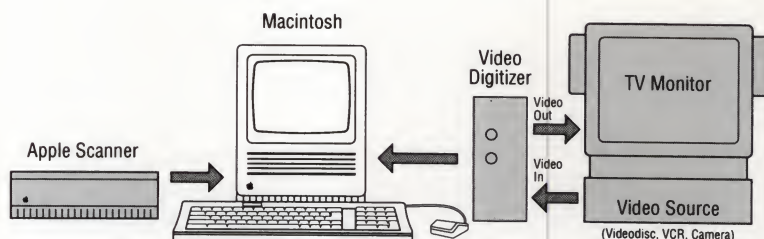In order to display an image from a videodisc recorder, a large video monitor can be used. Powered speakers can be used also to amplify the sound from the Apple Macintosh itself, or the CD-Audio sound from the AppleCD SC drive.

Alternatively you can project both the Apple Macintosh and video images on two large video monitors or gun type projection systems.

Interactive Imaging on the Apple Macintosh

Interactive imaging on the Apple Macintosh allows you to create visually enhanced multimedia applications that display images from a variety of sources. These can include illustrations taken from 'clip art' libraries on CD-ROM or floppy disk, or scanned in from drawings via an AppleScanner™.

The addition of a video digitiser allows you to capture images from videodisc players, video cassette players or video cameras.
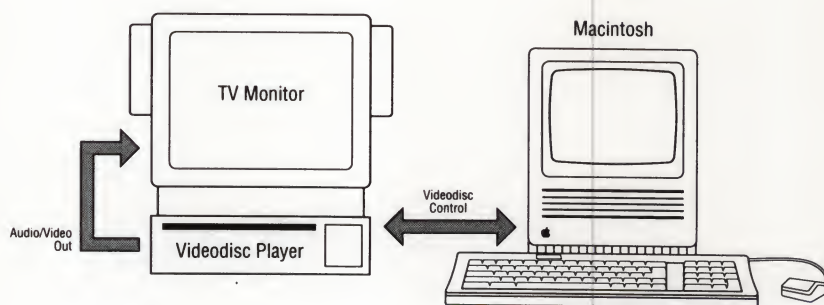
Any Apple Macintosh can serve as the basis for interactive imaging. However, if you want to digitise or scan images at 256 levels of grey or colour, an Apple Macintosh II computer, with 2 or more megabytes of RAM is recommended.

Interactive Video on the Apple Macintosh

Interactive video allows you to integrate still images and full motion video from videodiscs into your multimedia application, using a range of software, including HyperCard, to control access to the images you want.

Videodisc players can be NTSC-US standard, or PAL-European standard, or dual standard - which can play both NTSC and PAL discs. There are a wide range of disc available and some come with their own HyperCard stacks which document their contents and provide sophisticated ways to access and navigate through the material. You can also develop your own interfaces to traditional laserdiscs, with HyperCard or other authoring software, thereby converting these normally 'view only' materials into valuable multimedia resources.

On the compact family of Apple Macintosh personal computers, the Plus, SE and SE/30, the video images are shown on a separate monitor. With a modular Apple Macintosh II, you have a choice of a two screen system, or one screen with the addition of a video 'overlay' card which integrates the Apple Macintosh and video images together.

A second screen can often provide better development and delivery facilities but both single and dual screen solutions have their advantages and your choice will be dependent on your application.

Find Out More About Interactive Multimedia

There are more than 180 Apple Authorised Dealers around the country who will be happy to give you full details of our approach to interactive multimedia. Your local dealer can arrange for you to see demonstrations of interactive multimedia applications available today and show you the products available to help you create your own.

Apple Computer has published an "Apple Guide to Multimedia Development Tools", this provides details of both software and hardware products, available to assist you in the preparation and delivery of interactive multimedia materials.

All of our Dealers have had to reach the highest standard of competence before being awarded the authorised classification.

Authorised Dealers and AppleCentres [SM] alike have full access to service and technical support to help you gain the greatest benefits from your Apple Macintosh.

Apple Computer

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